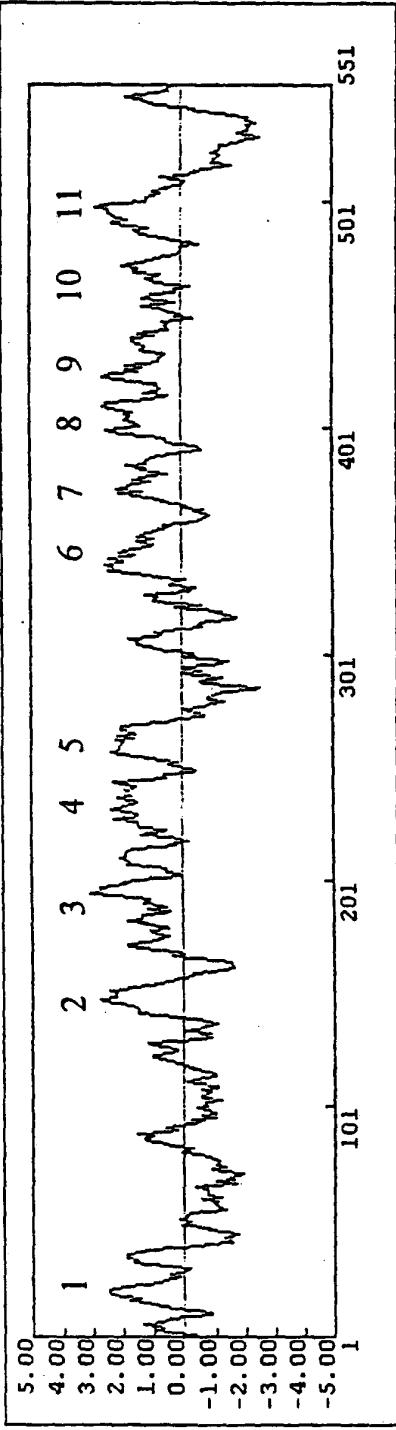


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Figure 1

OCTN1



OCTN2

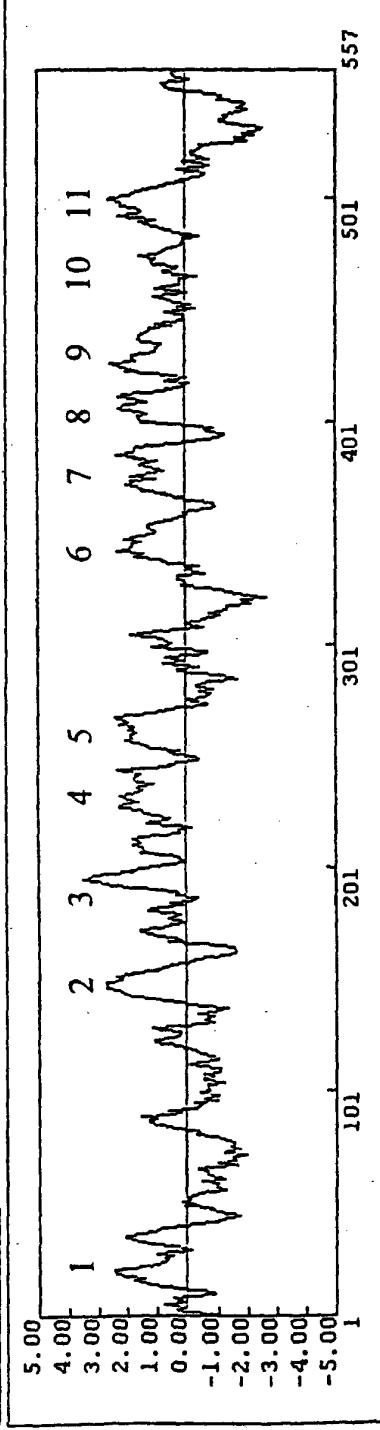


Figure 2

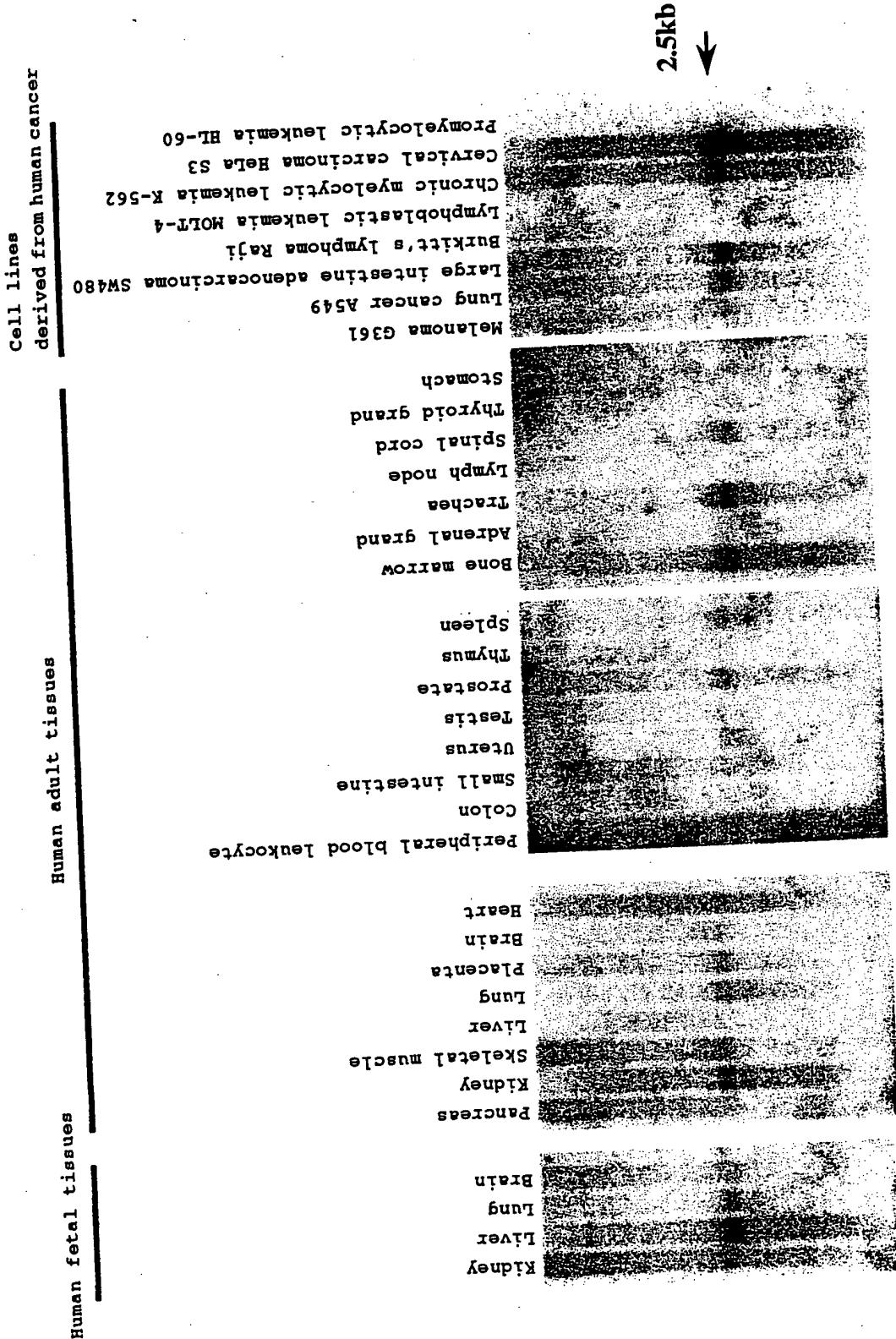


Figure 3

OCTN1	1	IRDYDEIAK DCEGEGEAK	TELSAIS FAGVWV	TRANSA KEDANES	TRANSA KEDANES	ISRYRATA PRYRATA	NESALGELPG NESALGELPG			
OCTN2	1	IRDYDEIAK DCEGEGEAK	TELSAIS FAGVWV	TRANSA KEDANES	TRANSA KEDANES	PRYRATA PRYRATA	NESALGELPG NESALGELPG			
+ +++++++ ++++++										
OCTN1	101	RDYDQYEA RDYDQYEA	SECDGEAE SECDGEAE	DYDVEA DYDVEA	WVDETA WVDETA	WVDETA WVDETA	ESDQEY ESDQEY			
OCTN2	101	RDYDQYEA RDYDQYEA	SECDGEAE SECDGEAE	DYDVEA DYDVEA	WVDETA WVDETA	WVDETA WVDETA	ESDQEY ESDQEY			
+ +++++++ ++++++										
OCTN1	201	WVGGQISN WVGGQISN	WVGGQISN WVGGQISN	WVGGQISN WVGGQISN	WVGGQISN WVGGQISN	WVGGQISN WVGGQISN	PRYTGQRE PRYTGQRE			
OCTN2	201	WVGGQISN WVGGQISN	WVGGQISN WVGGQISN	WVGGQISN WVGGQISN	WVGGQISN WVGGQISN	WVGGQISN WVGGQISN	PRYTGQRE PRYTGQRE			

OCTN1	301	AKMINTAYBA AKANGIVB	VTS--VEE TIEPSELQD	INPLXKAF ESSQKSHN	EUDFERN RWDVLSIMI	AMTISLL ERITSYEG	LATVETTA ESTTENEC	DAYLGESA DIFVNEES	LIPILHIT MVVEXVLA	WELRTUPR WELQYUPR
OCTN2	301	AKMINTAYBA AKANGIVB	VTS--VEE TIEPSELQD	INPLXKAF ESSQKSHN	EUDFERN RWDVLSIMI	AMTISLL ERITSYEG	LATVETTA ESTTENEC	DAYLGESA DIFVNEES	LIPILHIT MVVEXVLA	WELRTUPR WELQYUPR

OCTN1	399	YUUAVW YSMATAELQ	EGCDEI ASVTEWQY	EWDFSIG PDL-VYATV	YUULGELI EWDFSIG	SISLWFI PDL-VYATV	EDAD-YRN ASVTEWQY	YUULGELI EWDFSIG	EDAD-YRN ASVTEWQY	YUULGELI EWDFSIG
OCTN2	401	YUUAVW YSMATAELQ	EGCDEI ASVTEWQY	EWDFSIG PDL-VYATV	YUULGELI EWDFSIG	SISLWFI PDL-VYATV	EDAD-YRN ASVTEWQY	YUULGELI EWDFSIG	EDAD-YRN ASVTEWQY	YUULGELI EWDFSIG

OCTN1	499	TRGTFDEFA TRAI-THE	ESLGMTH ESFPTPE	LEQWQWFW IDOMRKM	RSGK--- KHRKTPSH	DSMETEENPK MKDGQQRRT	V1-1MA	551		
OCTN2	501	TRGTFDEFA TRAI-THE	ESLGMTH ESFPTPE	LEQWQWFW IDOMRKM	RSGK--- KHRKTPSH	DSMETEENPK MKDGQQRRT	IKSMDR	557		

Figure 4

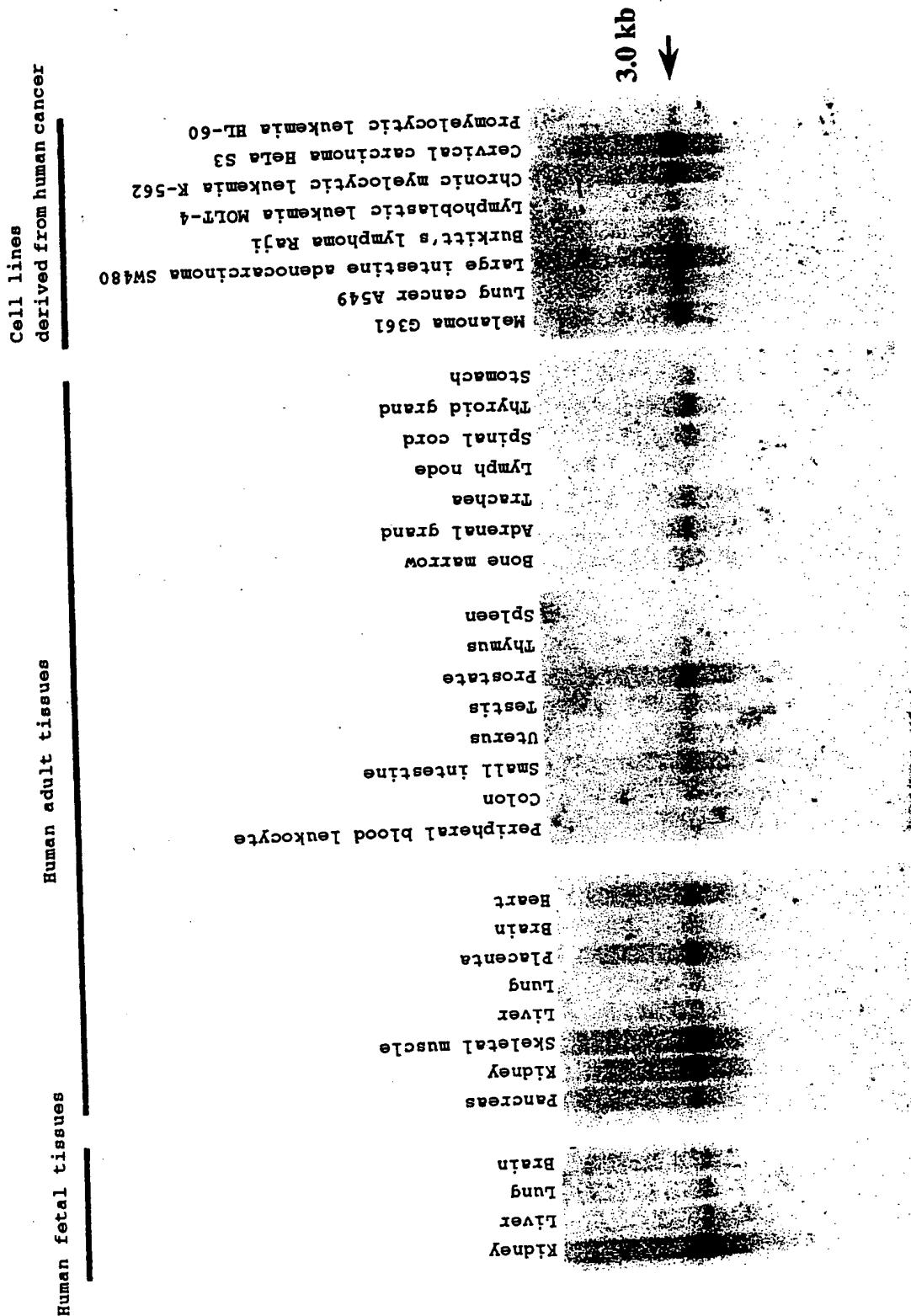


Figure 5

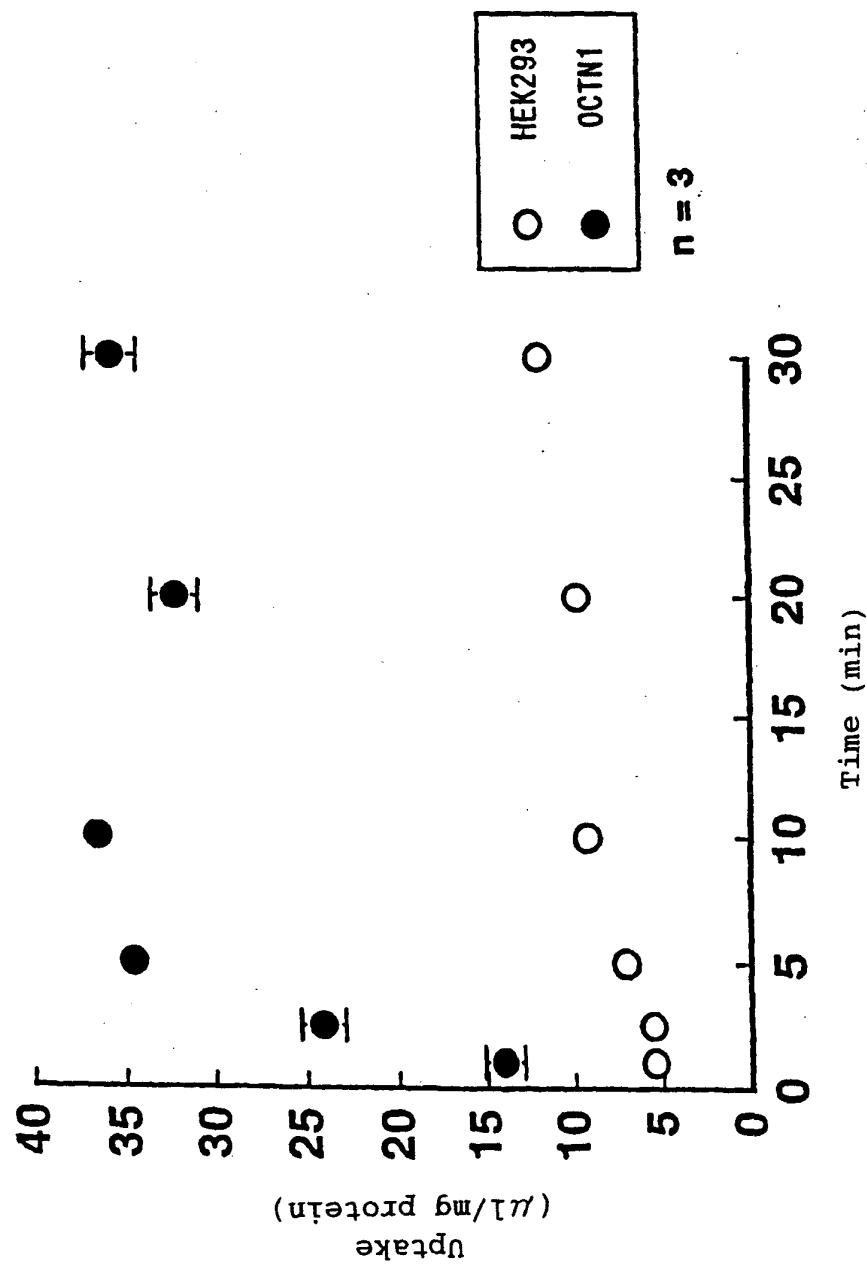
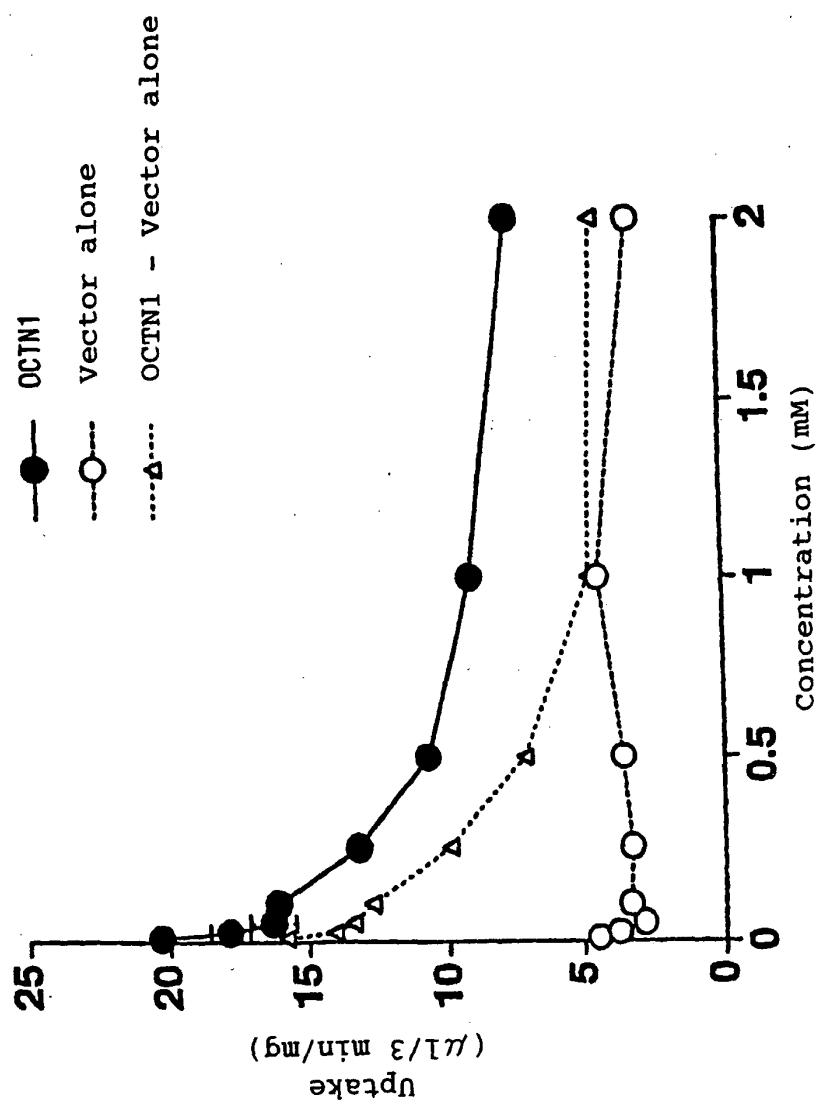


Figure 6



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Figure 7

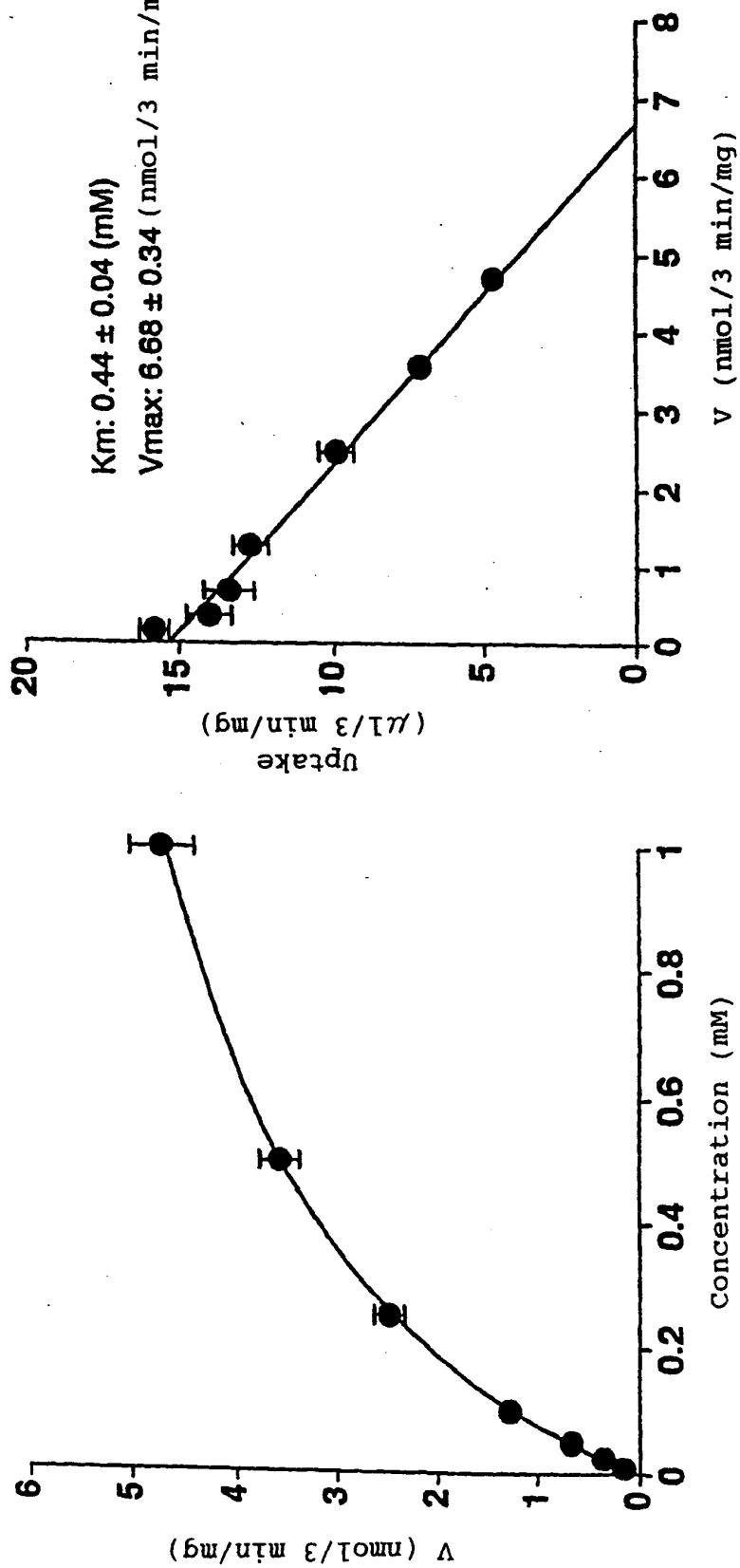


Figure 8

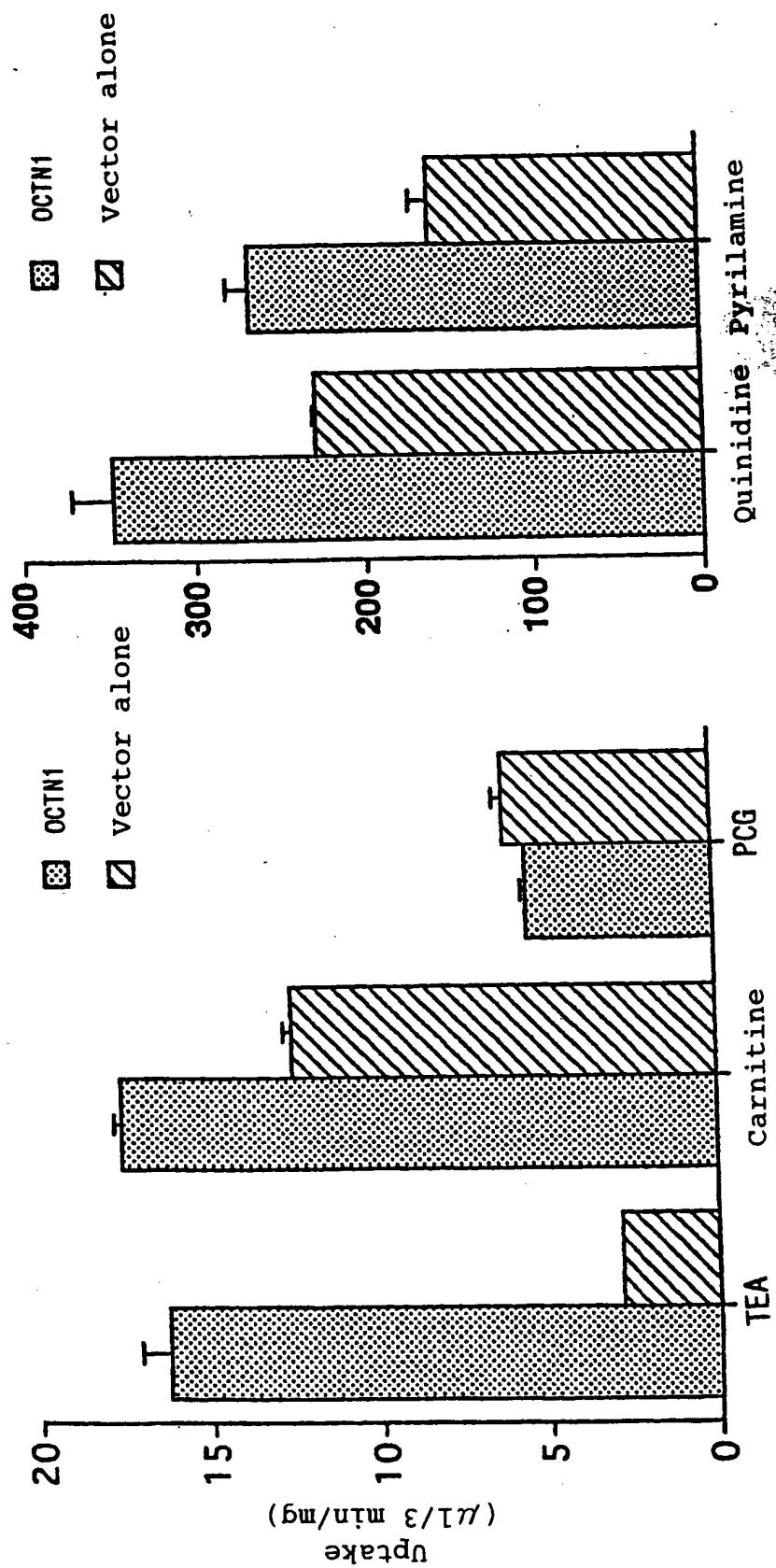


Figure 9

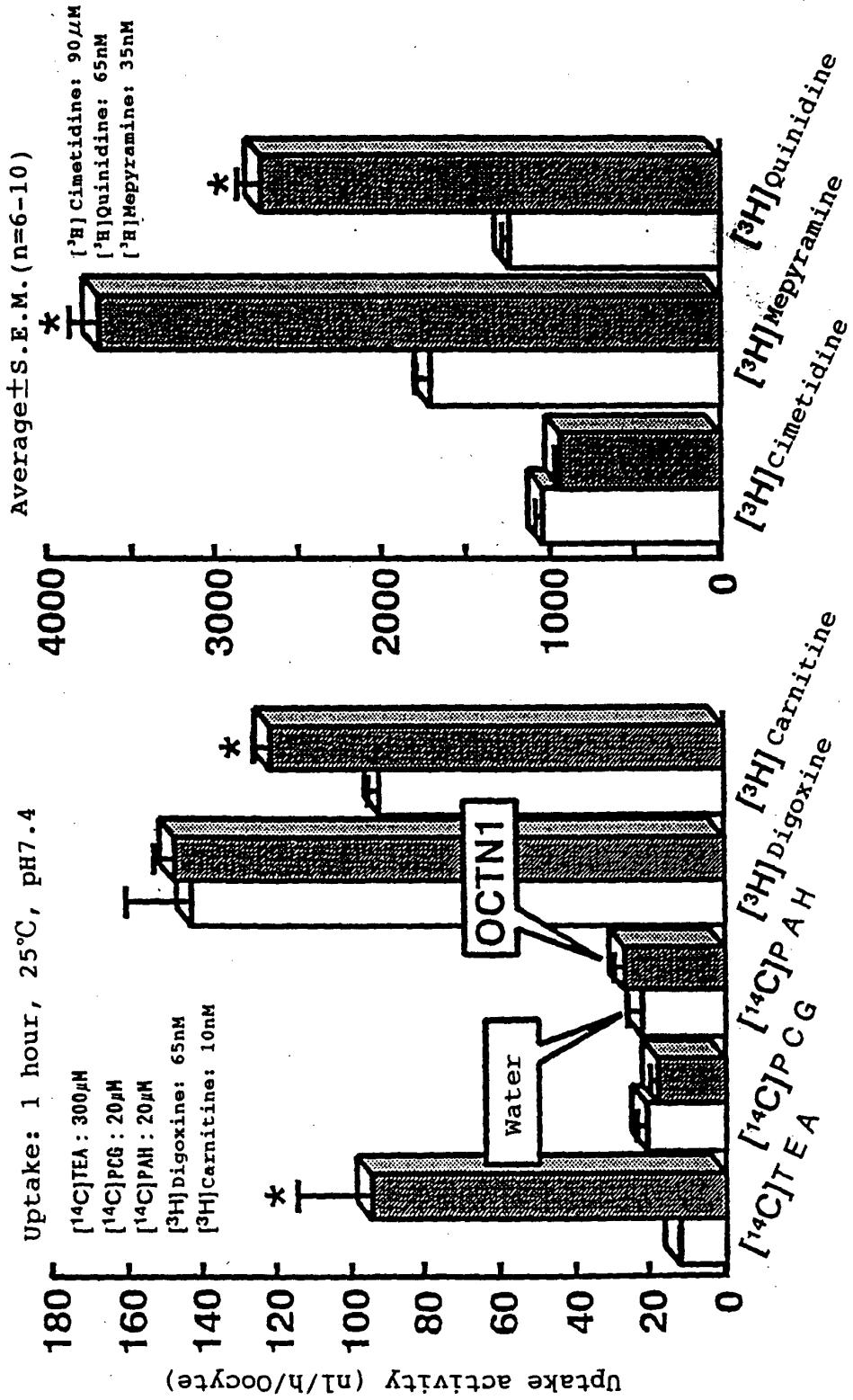


Figure 10

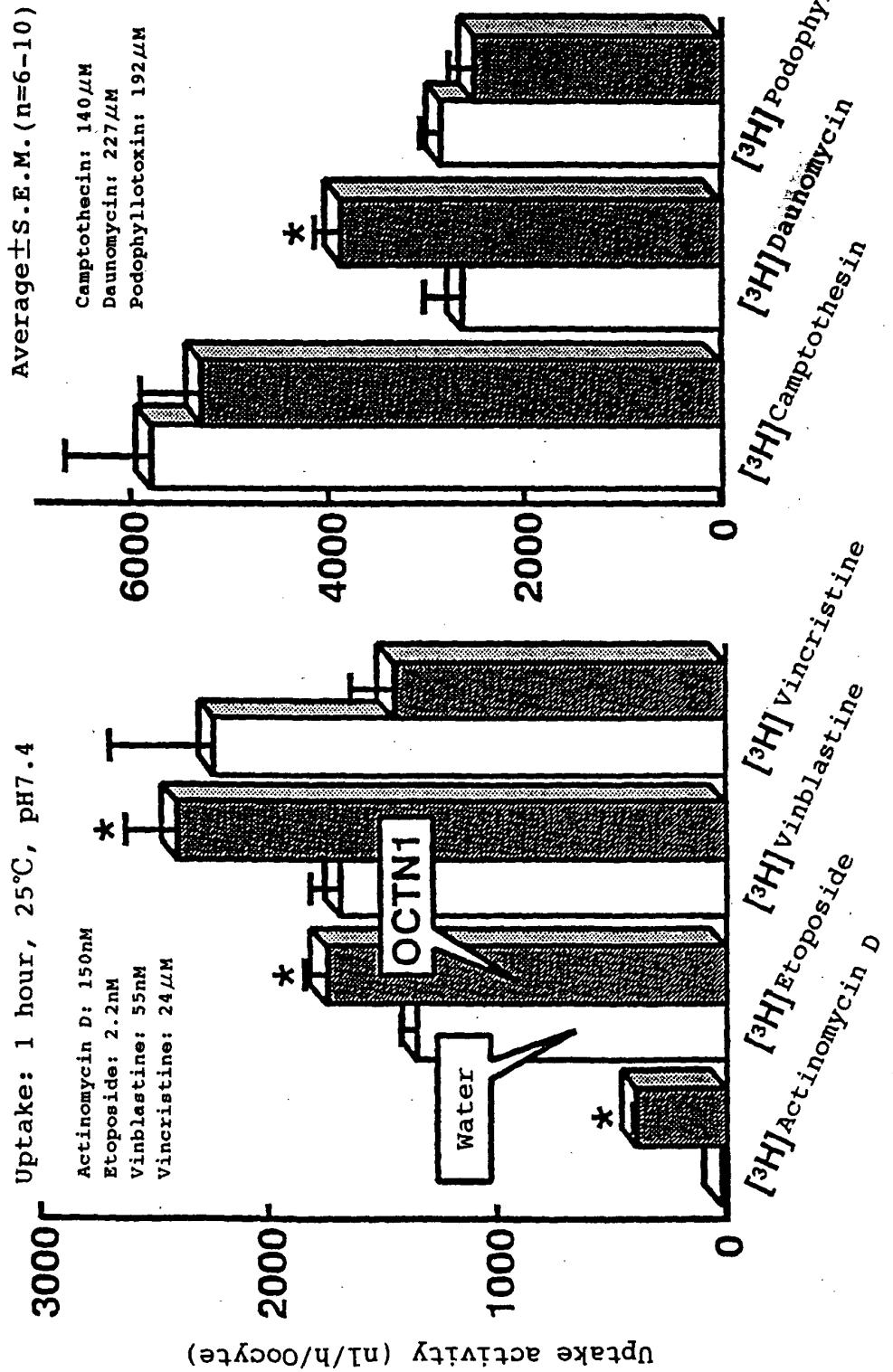


Figure 11

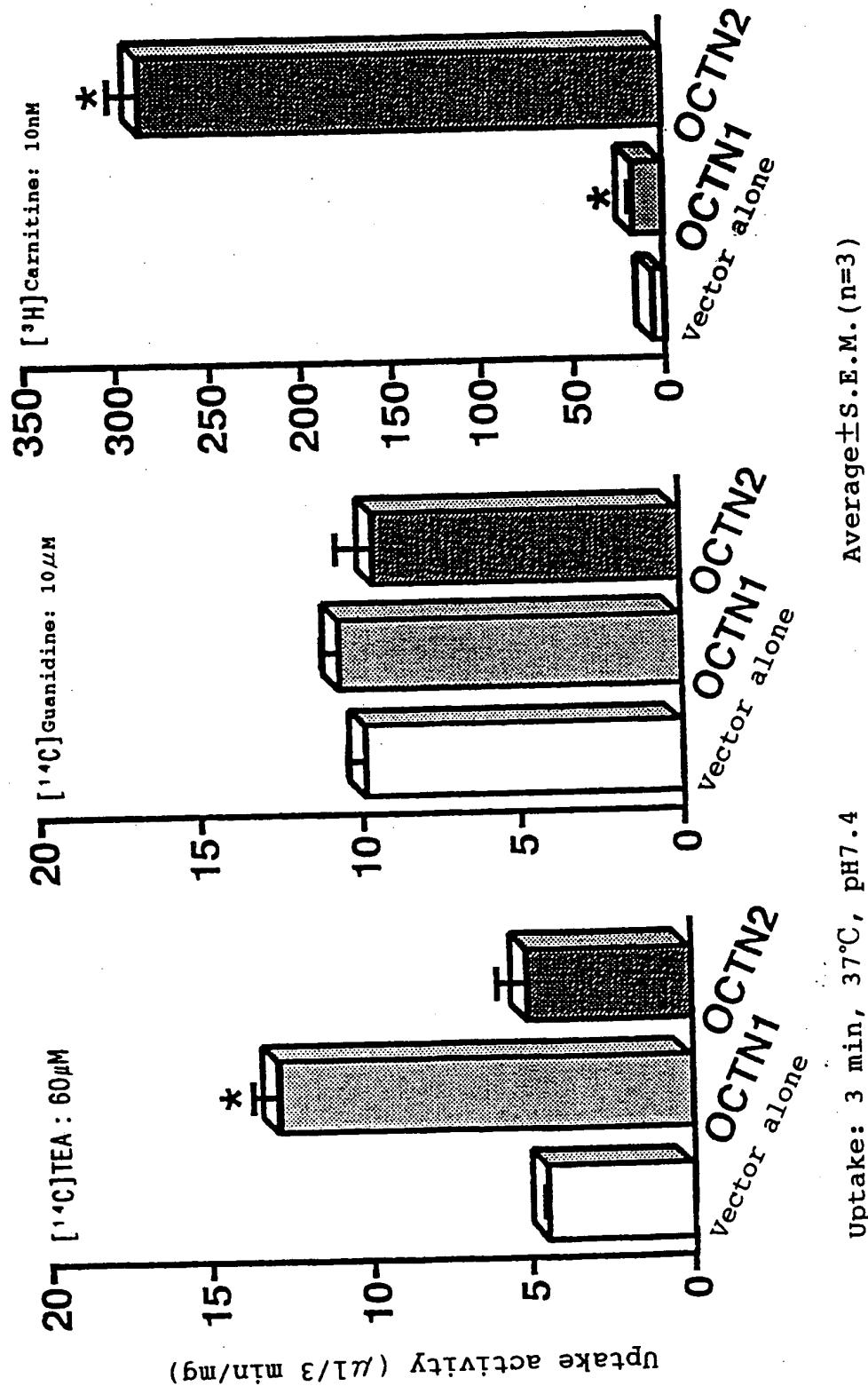


Figure 12

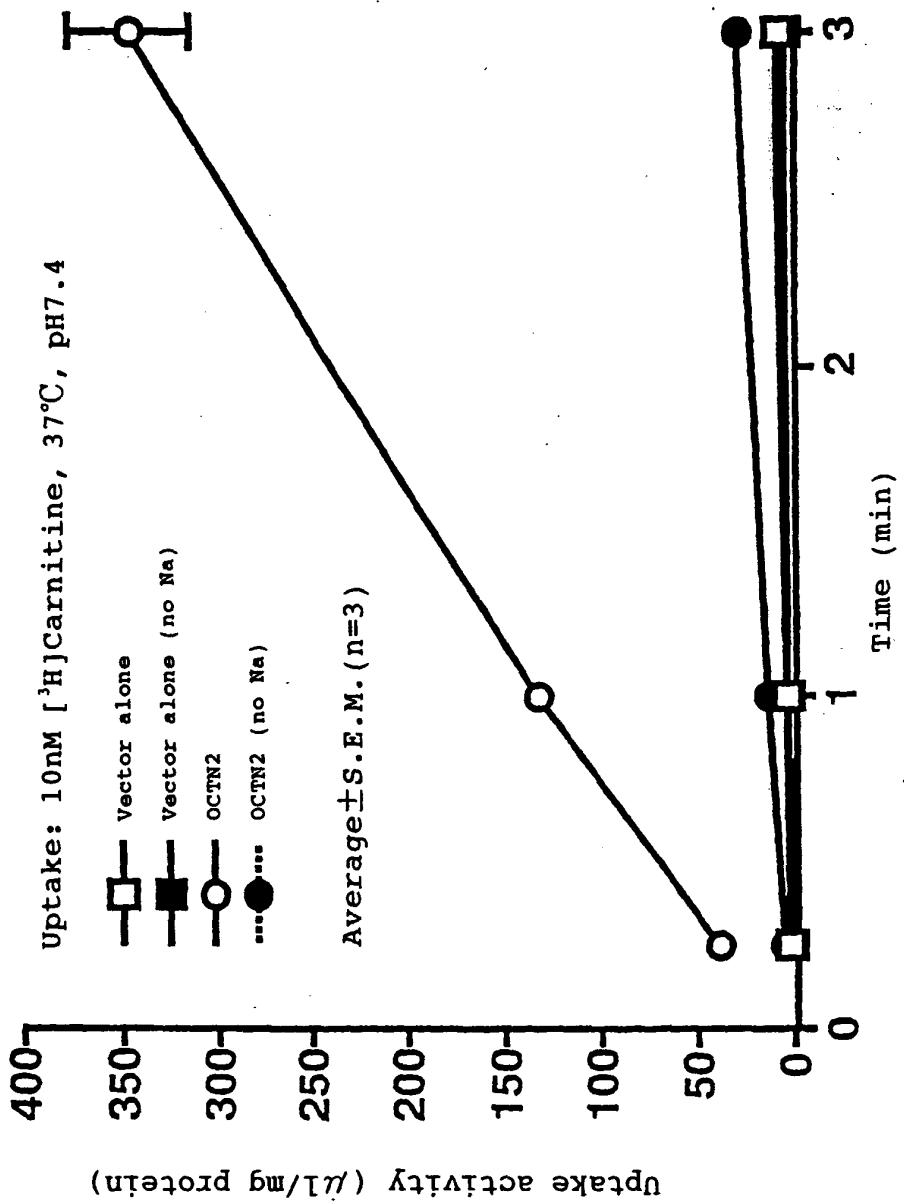
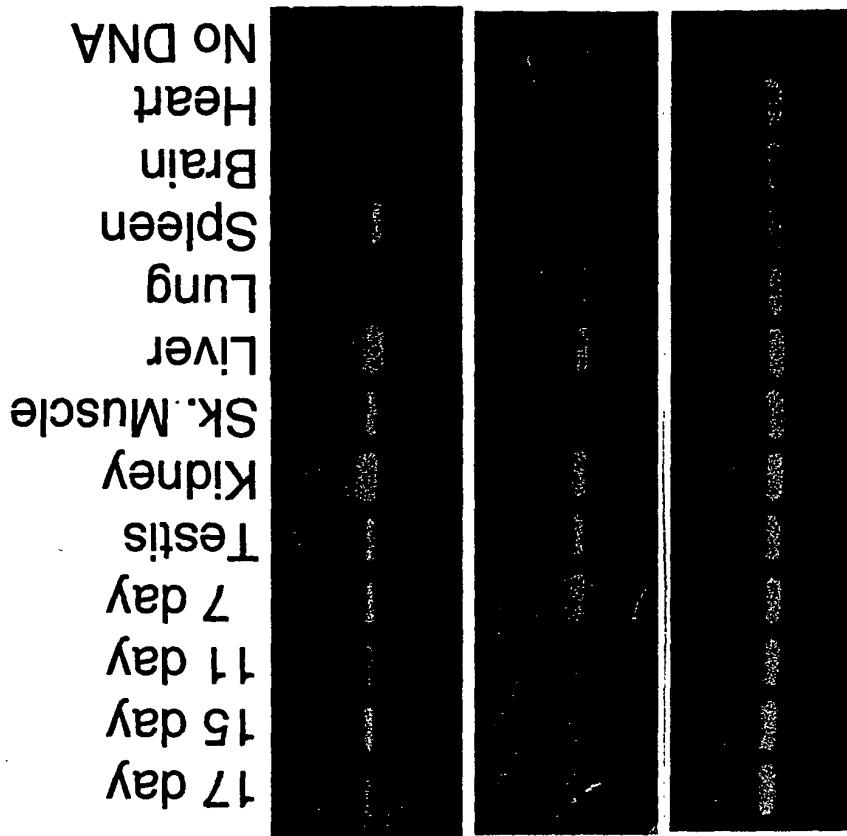


Figure 13

Embryo Adult Tissues



mouse OCTN 1

mouse OCTN 2

G3PDH